

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 03/36478

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 F01N3/28 B01D53/94

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01N B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01, 29 January 1999 (1999-01-29) -& JP 10 288032 A (MITSUBISHI CHEM CORP), 27 October 1998 (1998-10-27) abstract -& DATABASE WPI Week 199902 Derwent Publications Ltd., London, GB; AN 1999-018671 XP002276900 & JP 10 288032 A abstract --- -/--	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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Date of the actual completion of the international search

14 April 2004

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27/04/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/050397 A (SANE AJIT Y ; SOUNDWICH INC (US); MOORE DAN T III (US)) 19 June 2003 (2003-06-19) page 6, paragraph 29 page 8, paragraph 32; figure 2 ----	1-15
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 033 (M-452), 8 February 1986 (1986-02-08) & JP 60 187712 A (NISSAN JIDOSHA KK), 25 September 1985 (1985-09-25) abstract ----	1-15
A	US 5 094 074 A (NISHIZAWA KIMIYOSHI ET AL) 10 March 1992 (1992-03-10) column 7, line 10-13; figure 8 ----	1-15
A	US 6 224 835 B1 (LANGER ROGER L) 1 May 2001 (2001-05-01) the whole document -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/36478

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 10288032	A	27-10-1998	NONE	
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JP 60187712	A	25-09-1985	NONE	
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